GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

STARRED QUESTION NO:491
ANSWERED ON:24.04.2003
ELECTRICITY GENERATION BY NCES
A. KRISHNASWAMY

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the quantum of annual electricity produced through non-conventional energy sources in the country; State-wise;

(b) whether there has been no appreciable increase in the generation of electricity from these sources;

(c) if so, the reasons thereof;

(d) whether there is any proposal before the Government to establish new NCES projects in Tamil Nadu to enhance electricity production to meet the local needs;

(e) if so, the details thereof; and

(f) the steps taken by the Government in this regard?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a), (b), (c), (d), (e) & (f) : A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO THE LOK SABHA STARRED QUESTION NO.491 FOR 24.04. 2003 `ELECTRICITY GENERATION BY NCES`

(a), (b) & (c): The installed power generation capacity from non-conventional energy projects based on wind, small hydro, biomass and waste-to-energy projects was 2674 MW, 3002 MW, 3457 MW and 3875 MW, as on 31.3.2000, 31.3.2001, 31.3.2002 and 31.3.2003 respectively. The generation of electricity from these sources has progressively increased in consonance with the annual increase in installed capacity. The annual electricity production has been estimated at more than 8.5 billion units during 2002-03. The State-wise break-up is given in the Annexure.

(d)&(e): A total power generating capacity of 1174 MW based on non-conventional energy sources has already been installed in Tamil Nadu, as on 31.03.2003. Projects of about 115 MW comprising bagasse cogeneration, biomass power, small hydro, waste-to-energy and biomass gasifier projects are under construction in the State; and, 60 MW wind power capacity is planned to be added during the current year. Further, the State Government propose to promote biomass power projects of about 300 MW capacity in the next two years using locally available biomass in various districts. Under the proposed biomass power programme of the State Government, no proposal has so far been received or is pending with Government.

(f): The steps taken to promote electricity production from non-conventional energy sources include provision of Central Financial Assistance in the form of capital subsidy or interest subsidy depending upon the type of project; fiscal incentives such as 80% accelerated depreciation and concessional duties and taxes; and, term loans from Indian Renewable Energy Development Agency. The State Government have introduced a policy for power generation from non-conventional energy sources.

ANNEXURE REFFERED TO IN REPLY TO PARTS (a), (b) & (c) OF THE LOK SABHA STARRED QUESTION NO.491 FOR 24.4.2003

STATE-WISE ESTIMATED ENERGY GENERATED DURING 2002-03 FROM NON-CONVENTIONAL ENERGY BASED PROJECTS

(Million Units)

S.No.	State/UT	Wind Power	Small Hydro Power	Biomass Power from Wastes	Energy	Total

1	Andaman & Nicobar	15.75				15.75
2	Andhra Pradesh	93.63	452.13	558.20	11.00	1114.96
3	Arunanchal Pradesh	97.11				97.11
4	Assam		6.00			6.00
5	Bihar		134.70			134.70
6	Chhattisgarh		0.60	66.00		66.60
7	Gujarat	157.61	21.00	3.00	8.00	189.61
8	Haryana		144.90	24.00		168.90
9	Himachal Pradesh		273.72			273.72
10	Jammu & Kashmir		279.72			279.72
11	Jharkhand		12.15			12.15
12	Karnataka	165.20	470.70	322.40	4.00	962.30
13	Kerala	0.76	208.56			209.32
14	Madhya Pradesh	30.39	116.88	10.80		158.07
15	Maharashtra	636.01	600.99	105.00	4.00	1346.00
16	Manipur		14.10			14.10
17	Meghalaya		92.13			92.13
18	Mizoram		44.28			44.28
19	Nagaland		59.61			59.61
20	Orissa		3.90			3.90
21	Punjab		309.60	68.00		377.60
22	Rajasthan	21.54	71.55			93.09
23	Sikkim		97.80			97.80
24	Tamil Nadu	1305.70	221.70	457.00	0.92	1985.32
25	Tripura		48.03			48.03
26	Uttar Pradesh		64.50	186.00	4.00	254.50
27	Uttaranchal		185.25			185.25
28	West Bengal	0.46	267.84			268.30
	Total	2411.30	4315.20	1789.60	42.72	8558.82